INTERNATIONAL SEARCH REPORT

International application No.
PCT/ ES 2004/000083

IPC 2 E05B29/00, E05B9/08 Accepting to International Partent Classification (IPC) or to both national classification and IPC ### FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 2 E05B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. A US-2358164-A (HONGER) 12.09.1944, Page 3, column 2, line 70, drawings 1-3, 8-14. A US-3578371-A (KELLER) 11.05.1971, Abstract, drawings 1,2 PATENT ABSTRACTS OF JAPAN, volume 1999, number 13 (30.11.1999) & P.11210281-A (SANPO ROKKU HANBAI K.K.) 3. (2) P.11210281-A (SANPO ROKKU HANBAI K.K.) Further document size discusses ** Special categories of cited documents: ** Special categories of						
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where approprinte, of the relevant passages Relevant to claim No. A US-2358164-A (HONGER) 12.09.1944, page 3, column 1, line 37 - page 3, column 2, line 70, drawings 1-3, 8-14. A US-3578371-A (KELLER) 11.05.1971, Abstract, drawings PATENT ABSTRACTS OF JAPAN, volume 1999, number 13 (30.11.1999) & JP-11210281-A (SANPO ROKKU HANBAI K.K.) J. 2 Further document seems are listed in the continuation of Box C. ** Special outspories of cited documents** ** Goouwnet defining the general state of the art which is not considered to be of practical artelevance. ** Special outspories of cited documents* ** Goouwnet defining the general state of the art which is not considered to be of practical artelevance. ** Special outspories of cited documents* ** Goouwnet defining the general state of the art which is not considered to be of practical artelevance. ** Special outspories of cited documents* ** Goouwnet defining the general state of the art which is not considered to be of practical artelevance. ** Special outspories of cited documents* ** Goouwnet defining the general state of the art which is not considered to be of practical artelevance. ** Special outspories of cited documents* ** Goouwnet defining the general state of the art which is not considered to be of practical artelevance, the chaimed invention cannot be proprintly document to combine the proprint of the international fling date but later than the document is combined with no or or once other such document to involve an inventive at previous an internative stap when the documents, such combination being document proprints to a previous stap stem failed in the attachment of the international search to prov						
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. A US-2358164-A (HONGER) 12.09.1944, page 3, column 2, line 70, drawings 1-3, 8-14. A US-3578371-A (KELLER) 11.05.1971, Abstract, drawings A US-3578371-A (KELLER) 11.05.1971, Abstract, drawings 1,2 PATENT ABSTRACTS OF JAPAN, volume 1999, number 13 (30.11.1999) & IP-11210281-A (SANPO ROKKU HANBAI K.K.) 03.08.1999. Abstract, drawings Further documents are listed in the continuation of Box C. ** Special categories of cited documents: document defining the general state of the art which is not considered to be observed to invest the principle of columns to thick may be for a distinct of calculation date of another citetion or other is cited to establish the application date of another citetion or other is cited to establish the application date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of another citetion or other is cited to establish the publication date of an	IPC	E' E05B				
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A (30.11.1999) & JP-1210281-A (SANPO ROKKU HANBAI K.K.) 71,2 8	A	US-3578371-A (KELLER) 11.05.197	l, Abstract, drawings	1,2		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date """ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "A" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document, such combination being obvious to a person skilled in the art "&" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention of the considered to involve an inventive step when the document of particular relevance; the claimed invention of the considered to involve an inventive step when the document of particular relevance; the claimed to invention of the considered to involve an inventive step when the document of part	Ą	(30.11.1999) & JP-11210281-A (SANPO ROKKU	1,2			
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date """ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "A" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention of the considered to involve an inventive step when the document of particular relevance; the claimed invention of the considered to involve an inventive step when the document of particular relevance; the claimed invention of the combined with one or more other such document of particular relevance; the clai						
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Name and mailing address of the ISA/ S.P.T.O. Authorized officer F. Calderón Rodríguez C/Panamá 1, 28071 Madrid, España.	* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date or priority document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or prioridate and not in conflict with the application but cited to understant the principle or theory underlying the invention cannot considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document or particular relevance; the claimed invention cannot considered to involve an inventive step when the document or particular relevance; the claimed invention cannot considered to involve an inventive step when the document published prior to the international filing date or prioridate and not in conflict with the application but cited to understant the principle or theory underlying the invention cannot considered novel or cannot be considered to involve an inventive step when the document or particular relevance; the claimed invention cannot considered to involve an inventive step when the document or particular relevance; the claimed invention considered novel or cannot be considered novel or cannot considered novel or cannot be considered novel or			lication but cited to understand the invention cannot be the claimed invention cannot be tidered to involve an inventive time the claimed invention cannot be the step when the document is the documents, such combination the art that family		
F. Calderón Rodríguez	Nome					
	Name and m	C/Panamá 1, 28071 Madrid, España.	F. Cald	-		

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/ ES 2004/000083

Patent document cited in search report	Fublication date	Patent familiy member(s)	Publication date
US2358164 A	12.09.1944	NONE	
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Solicitud internacional nº

PCT/ ES 2004/000083-

INFORME DE BUSQUEDA INTERNACIONAL

A. CLASIFICACIÓN DEL OBJETO DE LA SOLICITUD

CIP7 E05B29/00, E05B9/08

De acuerdo con la Clasificación Internacional de Patentes (CIP) o según la clasificación nacional y la CIP.

B. SECTORES COMPRENDIDOS POR LA BÚSQUEDA

Documentación mínima buscada (sistema de clasificación seguido de los símbolos de clasificación) ${\sf CIP}^7\:{\sf E05B}$

Otra documentación consultada, además de la documentación mínima, en la medida en que tales documentos formen parte de los sectores comprendidos por la búsqueda

Bases de datos electrónicas consultadas durante la búsqueda internacional (nombre de la base de datos y, si es posible, términos de búsqueda utilizados)

C. DOCUMENTOS CONSIDERADOS RELEVANTES

Categoría*	Documentos citados, con indicación, si procede, de las partes relevantes	Relevante para las reivindicaciones nº
Λ	US-2358164-A (HÖNGER) 12.09.1944, página 3,	1
	columna 1, línea 37 - página 3, columna 2, línea	
	70, figuras 1-3, 8-14.	
Α	US-3578371-A (KELLER) 11.05.1971, Resumen, figuras	1,2
Α	PATENT ABSTRACTS OF JAPAN, volumen 1999, número 13	
	(30.11.1999)	
	& JP-11210281-A (SANPO ROKKU HANBAI K.K.)	1,2
	03.08.1999. Resumen, figuras.	
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	En la continuación del recuadro C se relacionan otros documentos	X	Los documentos de familias de patentes se indican en el	
			anexo	
* "A" "E" "O" "P"	como particularmente relevante. solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. documento que puede plantear dudas sobre una reivindicación de prioridad o que se cita para determinar la fecha de publicación de otra cita o por una razón especial (como la indicada). documento que se refiere a una divulgación oral, a una utilización, a una exposición o a cualquier otro medio.	"T" "X" "Y"	documento ulterior publicado con posterioridad a la fecha de presentación internacional o de prioridad que no pertenece al estado de la técnica pertinente pero que se cita por permitir la comprensión del principio o teoria que constituye la base de la invención. documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia. documento que forma parte de la misma familia de patentes.	
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Nombre y dirección postal de la Administración encargada de la			Funcionario autorizado	
búsqueda internacional O.E.P.M.			F. Calderón Rodríguez	
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N° de fax 34 91 3495304			N° de teléfono + 34 91 3495322	

INFORME DE BUSQUEDA INTERNACIONAL		Solicinuu internacional nº		
Información relativa a miembros de fami	Información relativa a miembros de familias de patentes		PCT/ ES 2004/000083	
Documento de patente citado en el informe de búsqueda	Fecha de publicación	Miembro(s) de la familia de patentes	Fecha de publicación	
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US 3578371 A	11.05.1971	DE 1905859 AB FR 2001684 A AT 280089 B CH 488914 A GB 1260511 A SE 355042 B JP 49021640 B	11.09.1969 26.09.1969 25.03.1970 15.04.1970 19.01.1972 02.04.1973 03.06.1974	
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